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## RAW SEQUENCE LISTING

DATE: 08/02/2002

PATENT APPLICATION: US/09/596,479

TIME: 16:12:37

Input Set : A:\00078477.txt

Output Set: N:\CRF3\08022002\I596479.raw

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3 <110> APPLICANT: AUDONNET, Jean-Christophe
4   BAUDU, Philippe
6 <120> TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT LIVE VACCINE, IN
7   PARTICULAR AGAINST CANINE DISTEMPER, RABIES OR THE
8   PARAINFLUENZA 2 VIRUS
10 <130> FILE REFERENCE: 454313-2200.1
12 <140> CURRENT APPLICATION NUMBER: 09/596,479
13 <141> CURRENT FILING DATE: 2000-06-19
15 <150> PRIOR APPLICATION NUMBER: 09/213,053
16 <151> PRIOR FILING DATE: 1998-12-16
18 <150> PRIOR APPLICATION NUMBER: 9608242
19 <151> PRIOR FILING DATE: 1996-06-27
21 <150> PRIOR APPLICATION NUMBER: PCT/FR97/01115
22 <151> PRIOR FILING DATE: 1997-06-23
24 <160> NUMBER OF SEQ ID NOS: 31
26 <170> SOFTWARE: PatentIn Ver. 2.1
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 6216
30 <212> TYPE: DNA
31 <213> ORGANISM: Canine herpesvirus
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36 taaacacaat aaaaattaag tttaaaaaca attttattaa acccatcgct ttgatttact 180
37 atcatccag taggaaatta gaactagatt ataactatc ggtatagaaa tatgtttcca 240
38 aaataaatta gttaaatttt tagccttttc tttatcatc ataaagctta aaagtgtttc 300
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59 cattccataa gtcaattgcy attggtgtac aataccaggt ggtgttgcta tcgcatcgtg 1560
60 ttttaactagt ctacgactat aagcatattt caaaagtgca aaaagaccca ttttaataaa 1620
61 ataccaaaca gaaccttttc gacaaactaa atgaataaaa ctagttttta agtattaaat 1680
62 ataaccttta actaaattaa ttaaataatg attaatttta aaaccgaaat acaaatattt 1740
63 ttttagtcaag attttatgaa atcaatcaaa atcaccacaa ttatgcaaat gaaccacact 1800
64 accaacgtca tcaaaaactaa tttagtctat aaaaagaaat tgtaaacatt tagtttaaat 1860
65 ttaaactttt atttcttaaa atttttatta ttttgcttag tttttaaggc gatggcgtgt 1920
66 tttcgtccta aaactgaatt taagataacc aaccatccat ctacagattat aaataacgaa 1980
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70 attcctattt ctaaaaacca attttcttct ttttttggg gatatacgca ccctgcggtg 2220
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140 &lt;210&gt; SEQ ID NO: 2

141 &lt;211&gt; LENGTH: 398

142 &lt;212&gt; TYPE: PRT

143 &lt;213&gt; ORGANISM: Canine herpesvirus

145 &lt;400&gt; SEQUENCE: 2

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150           20           25           30
152 Asp Asn Val Cys Gly Glu Ile Leu Lys Thr Tyr Lys Lys Leu Glu Lys
153           35           40           45
155 Cys Glu Pro Ile Asn Ile Leu Ser Ala Arg Trp Ser Ser Leu Val Asn
156           50           55           60
158 Thr Pro Lys Leu Cys Tyr Lys Leu Cys Val Asn Leu Ile Arg His Leu
159   65           70           75           80
161 Gly Phe Pro Tyr Val Asn Val Ser Asp Met Glu Ala Asp Asp Val Cys

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164 Ala Asn Leu Tyr His Thr Asn Thr Ala Ala Gln Ile Tyr Thr Thr Asp
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167 Thr Asp Leu Ile Leu Met Gly Cys Asp Ile Ile Leu Asp Val Val Pro
168          115          120          125
170 Leu Phe Pro Pro Thr Leu Arg Cys Arg Asp Ile Leu Ala Ser Leu Asn
171          130          135          140
173 Val Ser Tyr Pro Glu Phe Leu Cys Thr Phe Val Arg Cys His Thr Asp
174 145          150          155          160
176 Leu His Gln Ala Pro Ile Leu Lys Ser Val Gln Ser Ile Ile Lys Asn
177          165          170          175
179 Lys Tyr Lys Asn Ser Lys Lys Glu Tyr Asn Ser Asp Ser Gly Asp Ser
180          180          185          190
182 Ser Glu Glu Ser Gly Glu Ile Gln His His Glu Lys Tyr Leu Asp Gln
183          195          200          205
185 Ile Ser Asn Ser Trp Arg Ile Ser Asp Ser Val Ser Thr Asn Ile Val
186          210          215          220
188 Ser Ser Ser Glu Glu Ser Ser Asn Ile Thr Ser Ser Glu Ser Ser Asp
189 225          230          235          240
191 Thr Asp Ser Phe Gly Ile Pro Lys Asn Gln Asn Gly Phe Lys Ile Leu
192          245          250          255
194 Ser Lys Ile Asn Ser Pro Ser Asn Lys Gly Gln Ser Lys Arg Val Thr
195          260          265          270
197 Ala Val Asp Glu Asn Ser Leu Asn Leu Lys Tyr Thr Ser Arg Phe Pro
198          275          280          285
200 Pro Ile Met Lys Thr Ile Ser Arg Ser Leu Met Met Leu Pro Ala Pro
201          290          295          300
203 Gln Thr Lys His Glu Val Leu Glu Arg Lys Phe Ile Lys His Leu Thr
204 305          310          315          320
206 Asn Met Ile Thr Pro Glu Tyr Arg Gly Glu Asn Leu Ser Ile Ile Lys
207          325          330          335
209 Arg Val Pro Ile Ile Gln Glu Lys Phe Asp Ile Asn Leu Val Tyr Glu
210          340          345          350
212 Thr Leu Leu Ser Phe Ile Asp Asp Lys Glu Lys Ala Lys Asn Leu Thr
213          355          360          365
215 Asn Leu Phe Trp Lys His Ile Ser Ile Pro Ile Asp Tyr Asn Leu Val
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219 385          390          395
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223 <211> LENGTH: 420
224 <212> TYPE: PRT
225 <213> ORGANISM: Canine herpesvirus
227 <400> SEQUENCE: 3
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229 1 5 10 15
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232 20 25 30
234 Asn Val Ile Lys Thr Asn Leu Val Tyr Lys Lys Lys Leu Leu Thr Phe

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235          35          40          45
237 Ser Leu Asn Leu Asn Phe Tyr Phe Leu Lys Phe Leu Leu Phe Cys Leu
238          50          55          60
240 Val Phe Lys Ala Met Ala Cys Phe Arg Pro Lys Thr Glu Phe Lys Ile
241 65          70          75          80
243 Thr Asn His Pro Ser Gln Ile Ile Asn Asn Glu Glu Asn Ile Asn Ser
244          85          90          95
246 Glu Glu Gly Lys Phe Ile Ser Gly Arg Ala Val Leu Glu Asp Gln Lys
247          100          105          110
249 Leu Arg Asp Val Ile Ser Met Leu Thr Pro Phe Ser Thr Ser Leu Lys
250          115          120          125
252 Asn Ser Phe Ile Val Phe Ser Asp Tyr Gly Met Met Ile His Thr Ser
253          130          135          140
255 Ile Cys Gly Glu Gln Ile Tyr Ile Pro Ile Ser Lys Asn Gln Phe Ser
256 145          150          155          160
258 Ser Tyr Phe Trp Gly Tyr Ser Asp Pro Ala Val Phe Leu Ala Asn Val
259          165          170          175
261 Asp Ser Lys Arg Gly Leu Leu Asp Val Phe Lys Ser Thr Ser Lys Met
262          180          185          190
264 Ser Lys Val Phe Phe Glu Ile Ser Asn Pro Ser Gln His Arg Met Leu
265          195          200          205
267 Lys Gln Val Ile Phe Thr Ile Ser Asp Ser Asn Ile Lys Cys Ser Thr
268          210          215          220
270 Leu Leu Lys Ala Glu Phe Ser Asn Tyr Cys Ile Met Leu Pro Ser Arg
271 225          230          235          240
273 Asn Pro Asp Phe Ser Leu Glu Leu Asn Lys Tyr Gln Leu Asn Lys Ile
274          245          250          255
276 Leu Glu Leu Asn Lys Lys Gln Asn Ser Leu Leu Lys Phe Glu Ser Asn
277          260          265          270
279 Glu Asn Asn Val Val Ile Ser Ser Glu Ser Gly Ser Val Ser Leu Asn
280          275          280          285
282 Leu Asp Arg Ser Asp Ser Glu Gly Glu Asp Ser Ala Ser Ile Leu Lys
283          290          295          300
285 Ser Ala Thr Lys Lys Val Asn Pro Tyr Leu Val Lys His Ser Glu Asn
286 305          310          315          320
288 Phe Lys Arg Leu Lys Phe Arg Trp Met Ile Ile Pro Ile Phe Phe Pro
289          325          330          335
291 Leu Leu Lys Lys Leu Lys Leu Thr Asn Thr Thr Val Ser Ile Asn Phe
292          340          345          350
294 Phe Phe Thr Pro Thr Thr Asn Pro Met Ile Ser Leu Thr Ser Ser Lys
295          355          360          365
297 Pro Ile Gly Ile Ile Leu Phe Phe Phe Cys Thr Asn Glu Leu Gln His
298          370          375          380
300 Lys Ser Leu Lys Arg Pro Ala Ser Pro Ser Asp Glu Glu Lys Pro Pro
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306 Asn Ile Lys Pro
307          420

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